

# CMAX-DMF-43-UW-153



Low PIM Directional MIMO In-Building Antenna, 617–960 MHz, 1695–2700 MHz, 3300–4000MHz, and 4800–6000MHz 4.3-10, (2 PORTS 617-960 and 1695-2700MHz, 2 PORTS 3300-4000 and 4800-6000MHz)

## Product Classification

**Product Type** In-building antenna

## General Specifications

**Antenna Type** Directional  
**Application** Indoor | Outdoor  
**Color** White  
**Number of Ports, all types** 4  
**Pigtail Cable** 670-141SXE, plenum rated  
**RF Connector Interface** 4.3-10 Female

## Dimensions

**Height** 120 mm | 4.724 in  
**Width** 310 mm | 12.205 in  
**Length** 450 mm | 17.717 in  
**Pigtail Length** 450 mm | 17.717 in

## Electrical Specifications

**Impedance** 50 ohm  
**Operating Frequency Band** 1695 – 2700 MHz | 3300 – 4000 MHz | 4800 – 6000 MHz | 617 – 698 MHz | 698 – 960 MHz  
**Polarization** ±45°

## Electrical Specifications

Frequency Band, MHz	617–698	698–960	1695–2200	2200–2700	3300–4000	4800–6000
Gain, dBi	7.7	7.9	8.8	9	8	8.2

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<b>Beamwidth, Horizontal, degrees</b>	75	73	62	64	64	62
<b>Beamwidth, Vertical, degrees</b>	72	66	57	64	65	61
<b>Front-to-Back Ratio, Copolarization 180° ± 30°, dB</b>	17	17	20	15	17	17
<b>Isolation, Cross Polarization, dB</b>	20	20	25	25	20	22
<b>VSWR   Return loss, dB</b>	1.7   11.7	1.6   12.7	1.5   14.0	1.5   14.0	1.7   11.7	1.7   11.7
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	-153	-153	-153
<b>Input Power per Port, maximum, watts</b>	100	100	100	100	100	100

## Material Specifications

**Radome Material** ASA+PC, UV stabilized

## Environmental Specifications

**Operating Temperature** -40 °C to +60 °C (-40 °F to +140 °F)

**Relative Humidity** Up to 100%

**Ingress Protection Test Method** IEC 60529:2001, IP65

## Packaging and Weights

**Height, packed** 190 mm | 7.48 in

**Width, packed** 340 mm | 13.386 in

**Length, packed** 645 mm | 25.394 in

**Included** Mounting bracket

**Weight, gross** 4.6 kg | 10.141 lb

**Weight, net** 3.1 kg | 6.834 lb